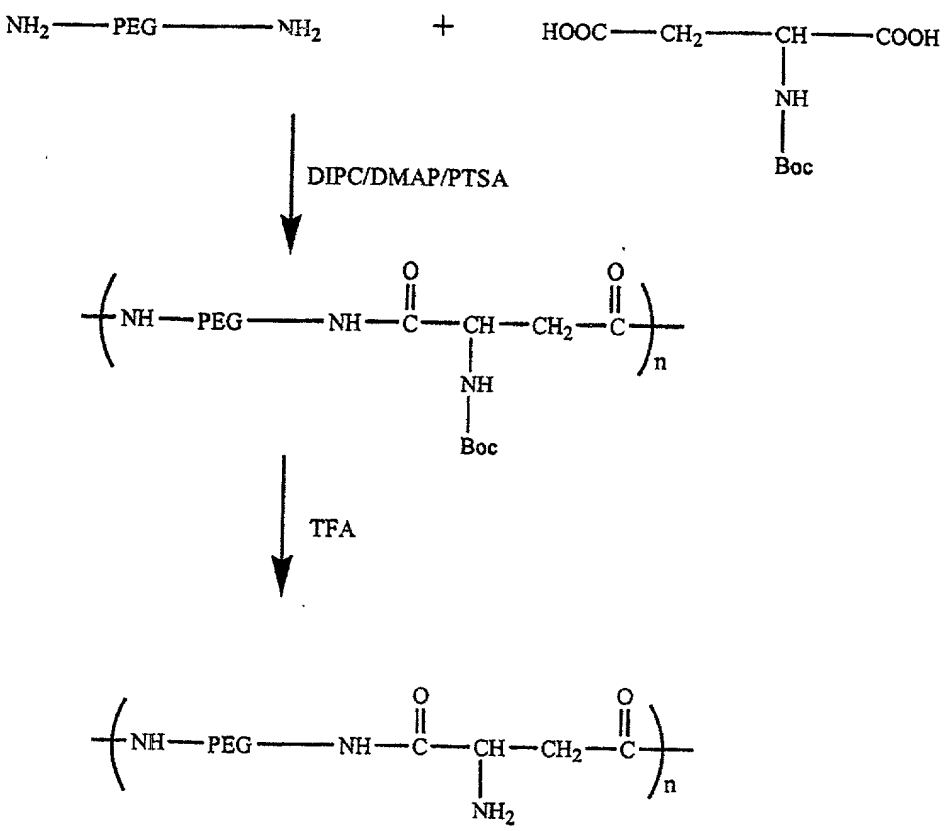

Figure 1. Synthetic scheme of poly(ethylene glycol) derived copolymer with multiple amino groups for peptide attachment.

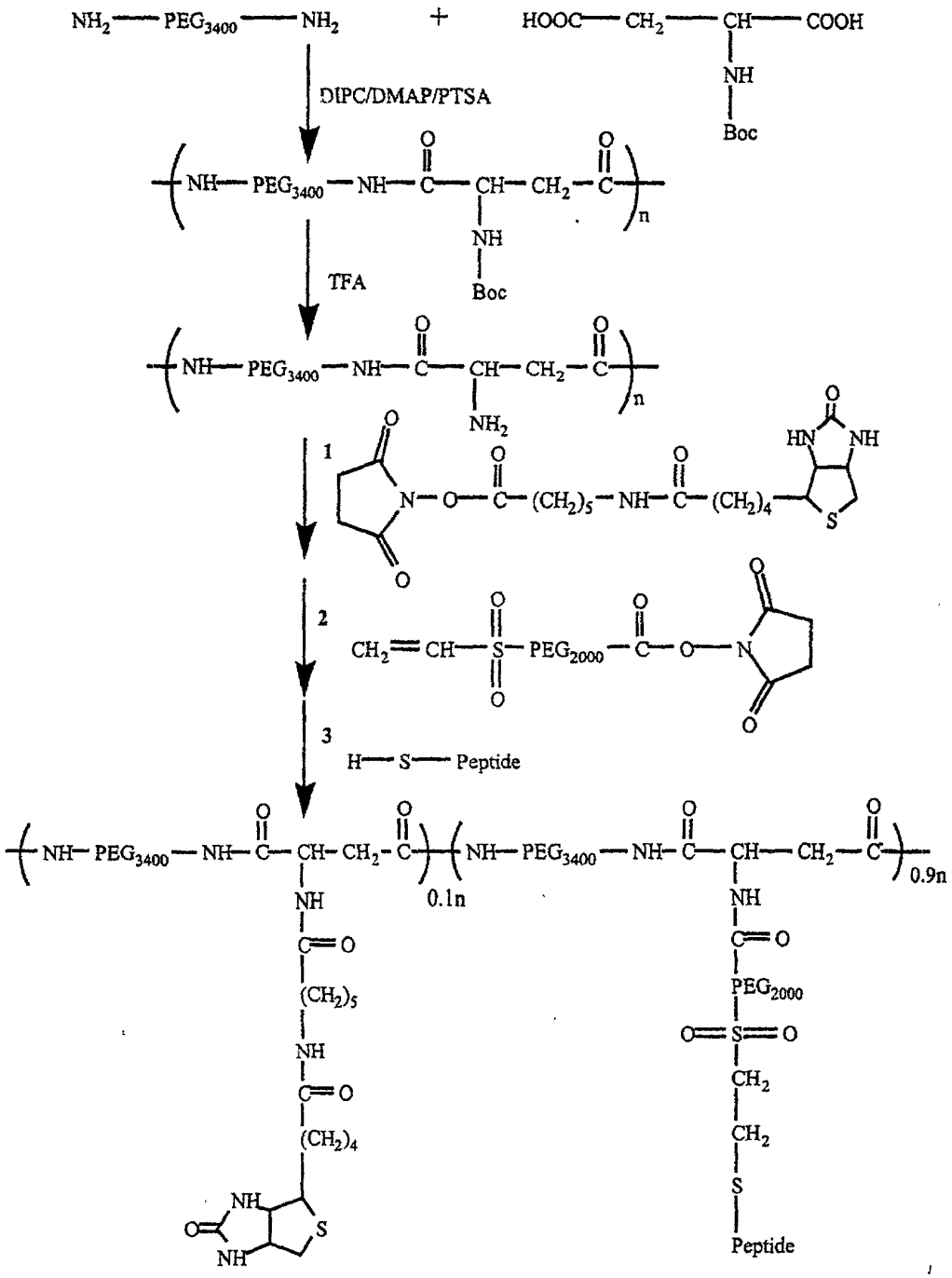

Figure 2. Synthetic scheme of PEG-peptide conjugates containing multiple copies of peptides and reporter molecules

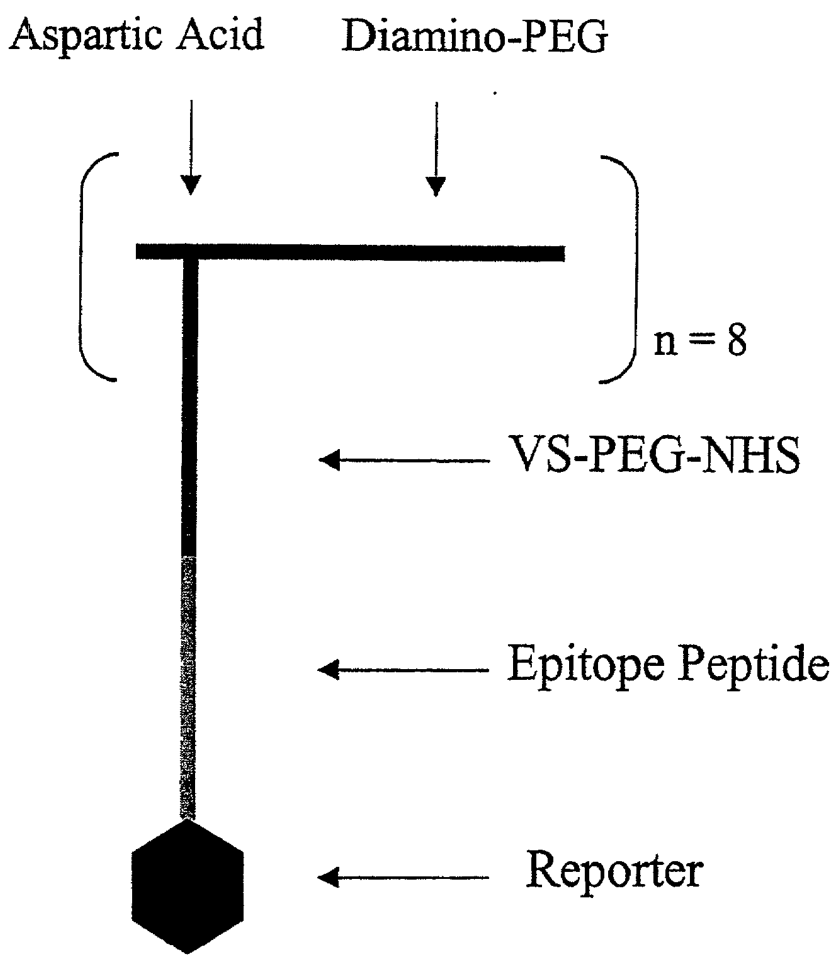

Figure 3. Schematic description of PEG-peptide conjugates with reporter group on the N-terminus of the peptide

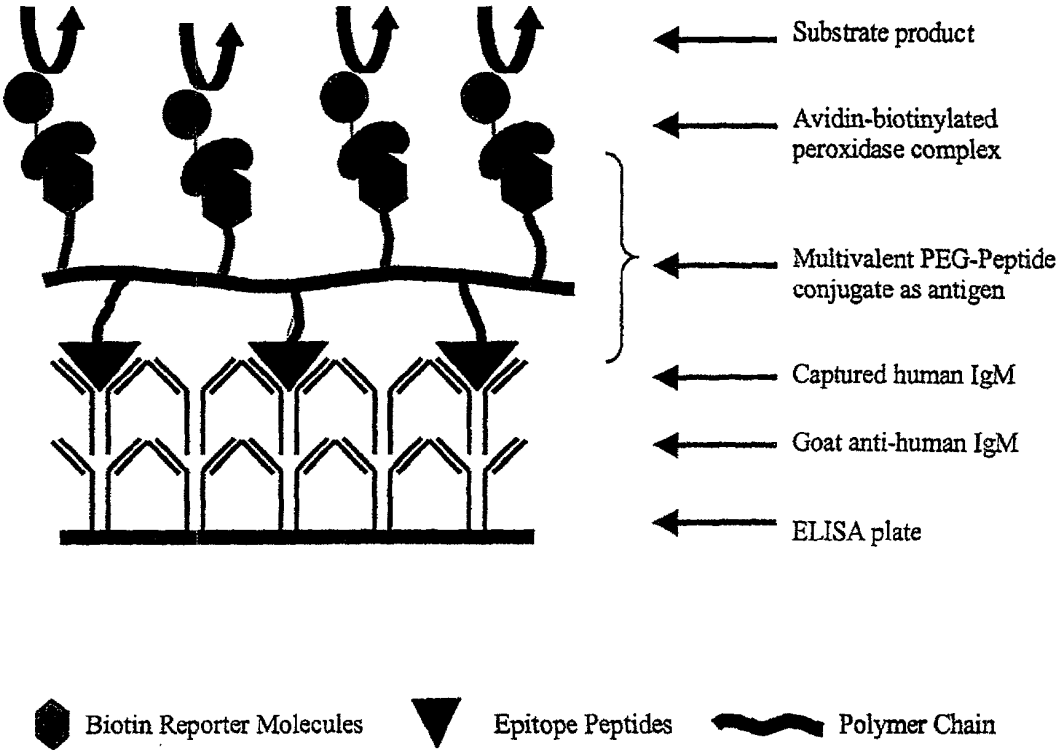

Figure 4. IgM-capture ELISA using PEG-peptide conjugate as antigen for serological diagnosis of Lyme disease